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Supp. Pre-Amendment
D. M. Martin
#4

Applicant	Michael M. Walters et al.
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**SUPPLEMENTAL
PRELIMINARY
AMENDMENT**

O I P E
JUN 11 2002
U.S. PATENT & TRADEMARK OFFICE

Title: MULTI-PHASE CONVERTER WITH BALANCED CURRENTS

Commissioner for Patents
Washington, D.C. 20231

Prior to initial review, please amend the above-identified reissue application as provided below:

IN THE CLAIMS

Please rewrite claims 19-22 as provided below:

19. (Amended) A method of balancing a plurality of channel currents, each of the plurality of channel currents flowing in a corresponding one of a plurality of channels in a multi-phase DC/DC converter, the DC/DC converter having an output voltage, the method comprising:

receiving a plurality of channel current signals, each of the plurality of channel current signals representative of a channel current for one of the plurality of channel currents;

averaging together the plurality of channel current signals to thereby determine an average channel current signal;

comparing a signal representative of the output voltage to a first reference signal to thereby determine a common error signal; and

controlling each of the channel currents based at least in part on the average channel current signal, one of the plurality of channel current signals, a second reference signal and the common error signal.

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